

ABSTRACT OF THE DISCLOSURE

The present invention relates to methods and compositions useful for enhancing the efficiency of delivery of a nucleic acid to a cell. Preferably the cell is a mammalian cell. The method comprises providing to a cell an agent capable of enhancing the cytoskeletal permissiveness of the cell for transfection. The method also comprises providing to the cell a nucleic acid delivery system for the transfection of the cell, whereby the efficiency of delivery of a nucleic acid to the cell is enhanced. Compositions and kits for enhancing the efficiency of delivery of a nucleic acid to a cell are also included.